

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,008,802 B2
APPLICATION NO. : 09/870393
DATED : March 7, 2006
INVENTOR(S) : Zhimin Lu

Page 1 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing an illustrative figure(s) 6, 7 and 11 should be deleted and substitute therefore the attached title page consisting of Figs. 6, 7 and 11.

The drawing sheets consisting of Fig(s) 1-12 should be deleted and substitute therefore the attached drawing sheets consisting of Fig(s) 1-12.

On page 1 of the Specification, in the Title, Delete "WATER" and insert --WAFER--, therefor.

In column 1, at line 2: Delete "WATER" and insert --WAFER--, therefor.

In column 8, at line 14: Delete "parameters" and insert --parameter f_i --, therefor.

In column 8, at line 16: Delete " p_1 " and insert -- p_i --, therefor.

In column 10, at line 48: Delete " α_L " and insert -- Δ_L --, therefor.

In column 10, at line 48: Delete " α_R " and insert-- Δ_R --, therefor.

In column 10, at line 51: Delete "maybe" and insert --may be--, therefor.

In column 15, at line 50, in Claim 18: Delete " (p_1-p_1') " and insert -- $(p_i-p'_i)$ --, therefor.

In column 15, at line 61, in Claim 19: Delete " I_{\max} " and insert -- I_{\max} --, therefor.

In column 15, at line 61, in Claim 19: Delete " I_{\min} " and insert-- I_{\min} --, therefor,

In column 15, at line 63, in Claim 19: Delete " I_{\max} " and insert-- I_{\max} --, therefor.

In column 15, at line 63, in Claim 19: Delete " I_{\min} " and insert-- I_{\min} --, therefor.

In column 16, at line 25, in Claim 21: Delete " Θ ;" and insert -- Θ_g --, therefor.

In column 16, at line 27, in Claim 21: Delete " Θ_x " and insert -- Θ_g --, therefor.

In column 16, at line 37, in Claim 22: After "in" delete "a".

In column 16, at approximately line 47, in Claim 22: Delete "axis" and insert --axis--, therefor.

In column 18, at line 12, in Claim 35: Delete "effector," and insert --effector;--, therefor.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,008,802 B2
APPLICATION NO. : 09/870393
DATED : March 7, 2006
INVENTOR(S) : Zhimin Lu

Page 2 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 18, at line 16, in Claim 35: Delete " v_1^- ," and insert -- v_i ;--, therefor.

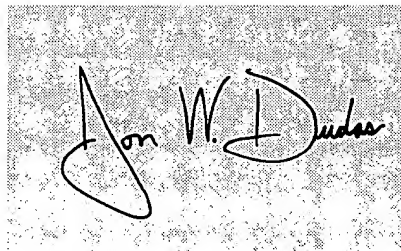
In column 18, at line 21, in Claim 35: Delete "(c)" and insert --(e)--, therefor.

In column 18, at line 25, in Claim 35: After "system" insert --if--.

This certificate supersedes Certificate of Correction issued January 16, 2007.

Signed and Sealed this

Sixth Day of February, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS
Director of the United States Patent and Trademark Office

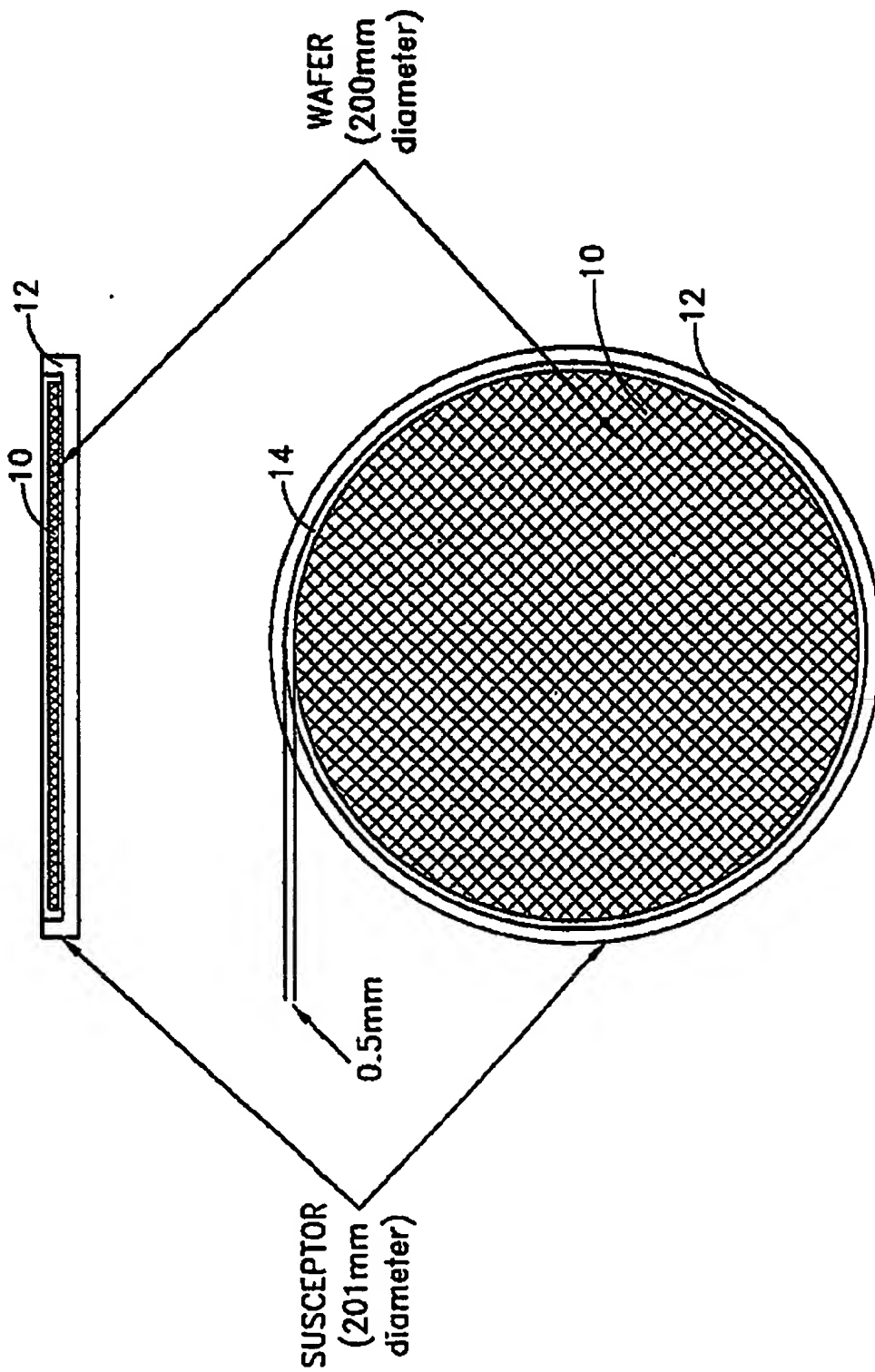


FIG. 1

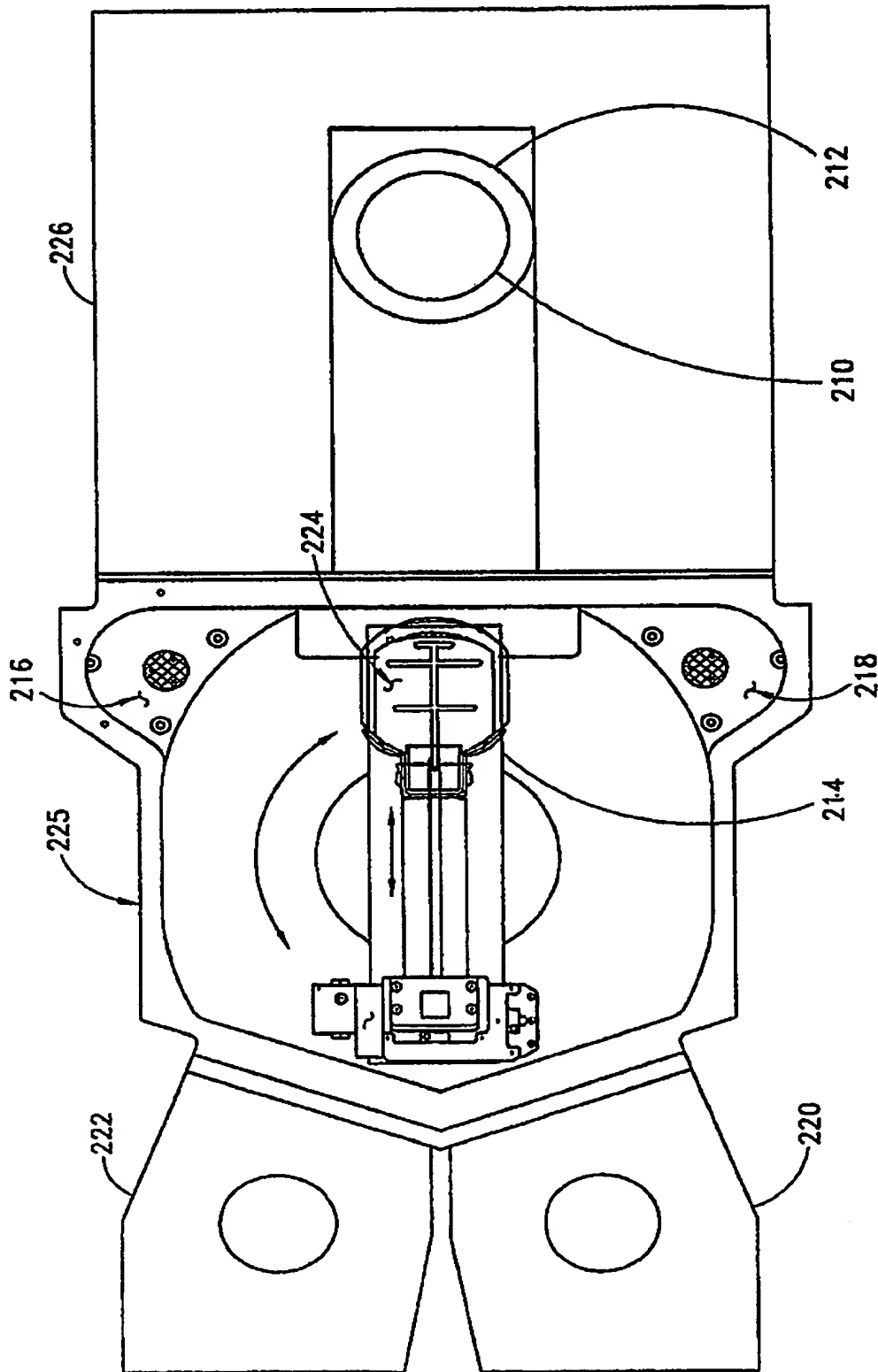
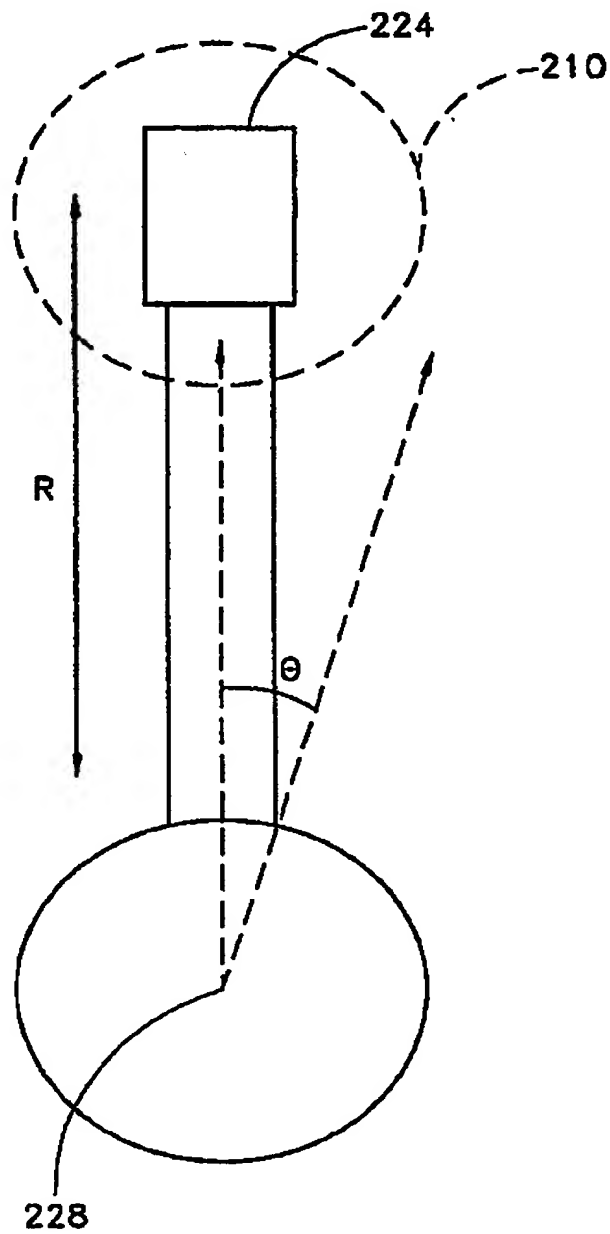


FIG. 2A

*FIG. 2B*

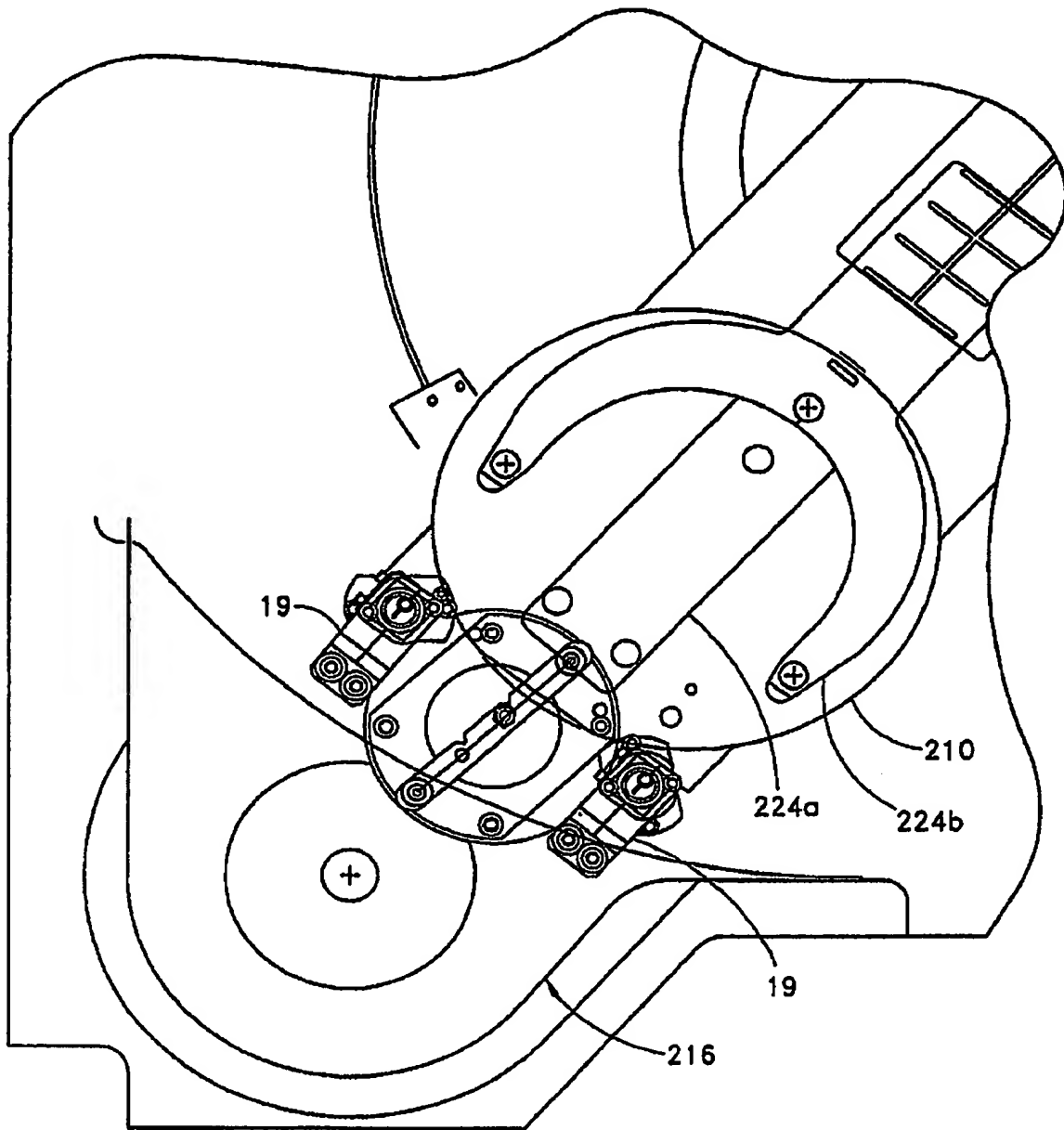
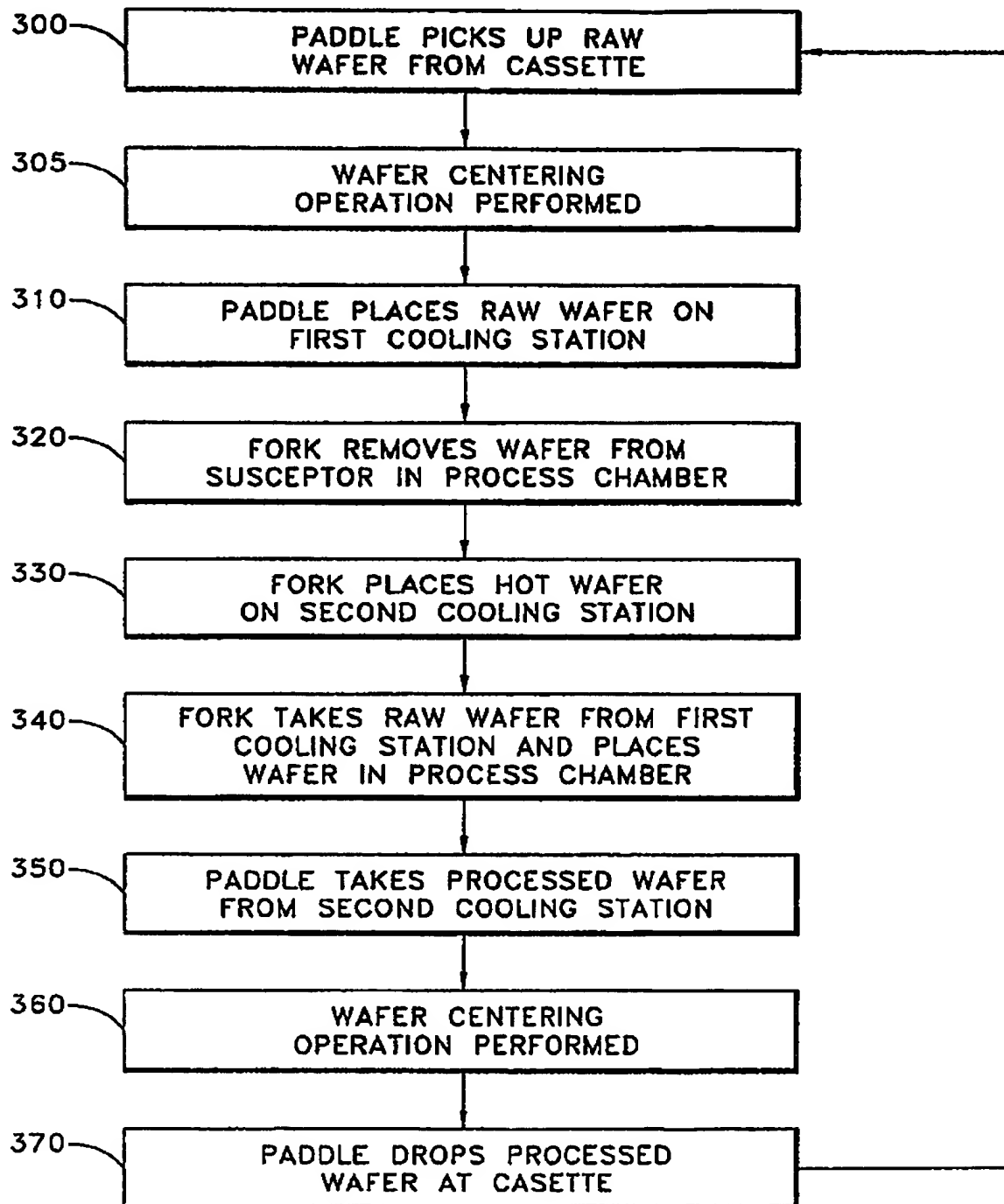


FIG. 2C

*FIG. 3*

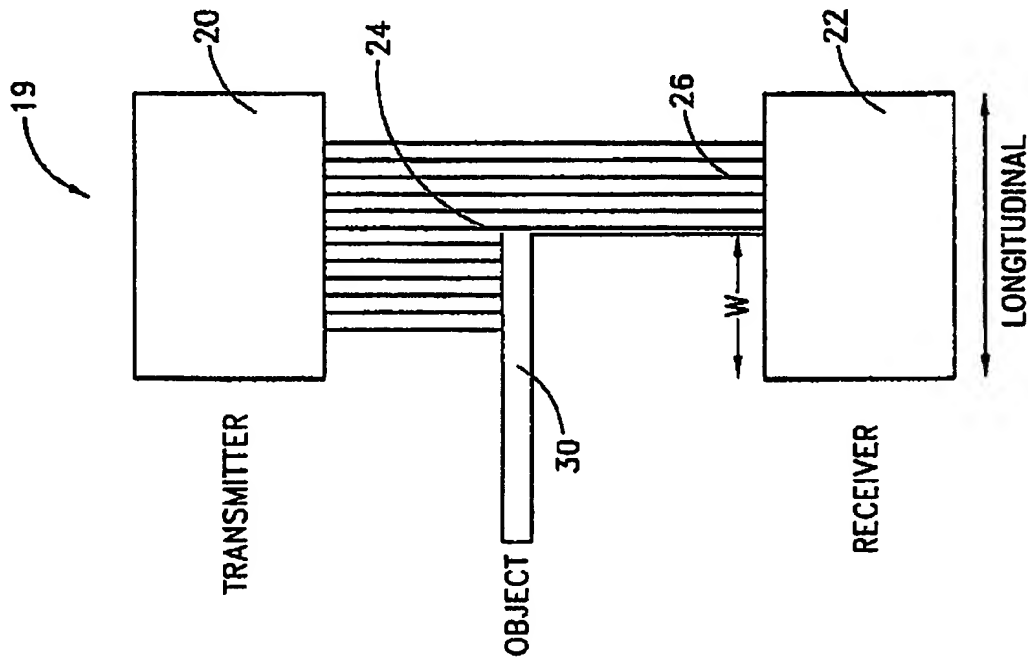


FIG. 4

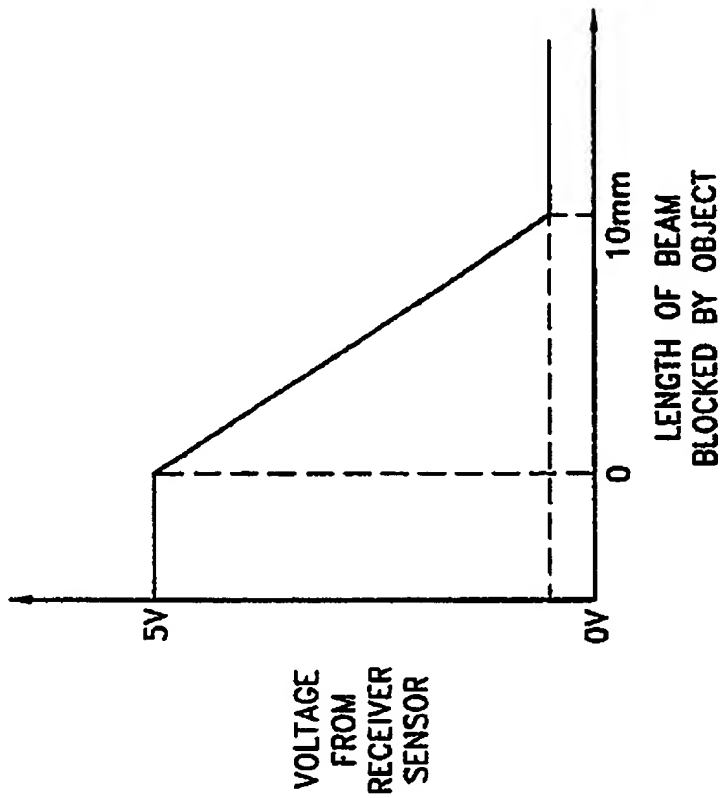


FIG. 5

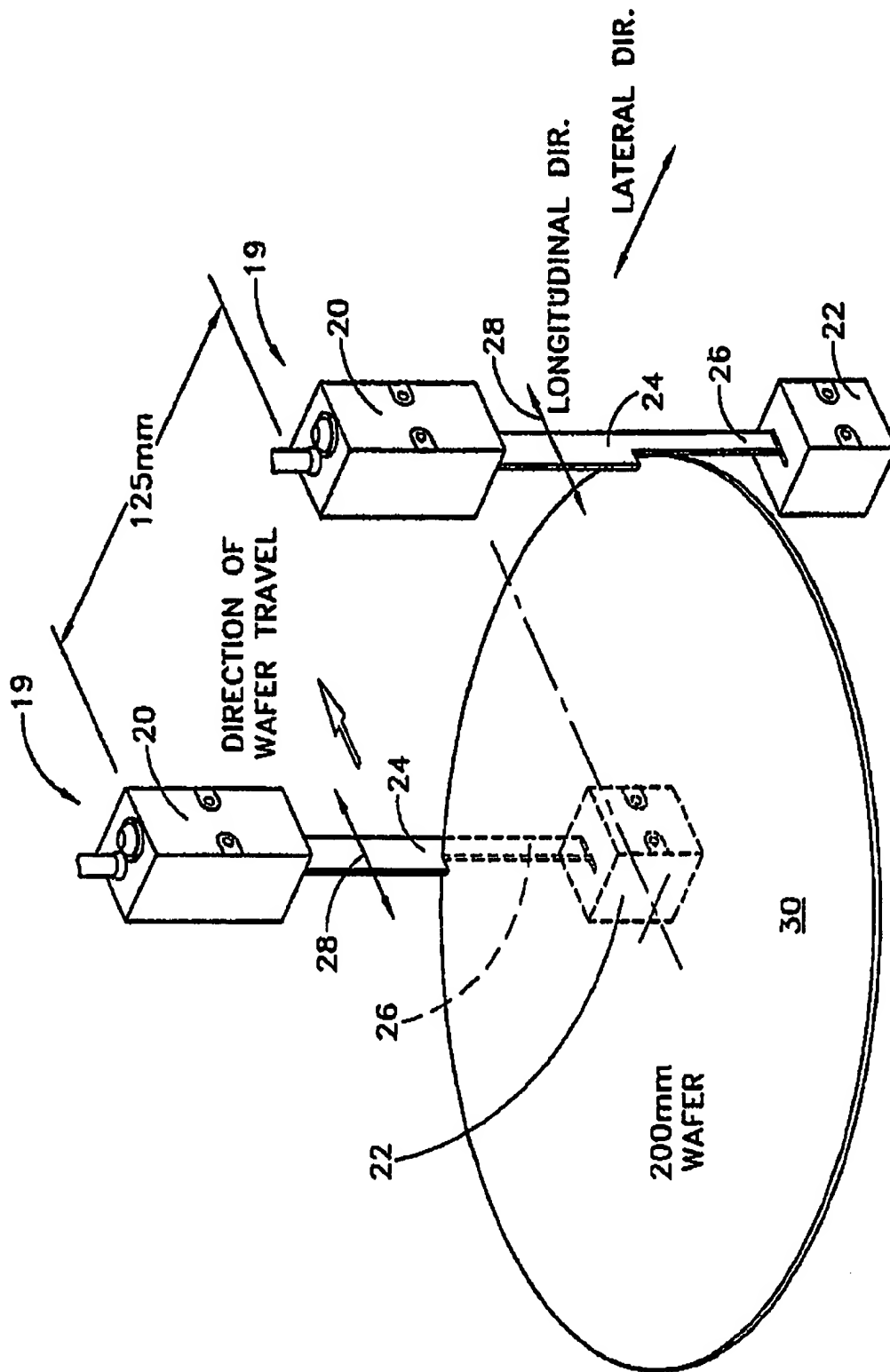
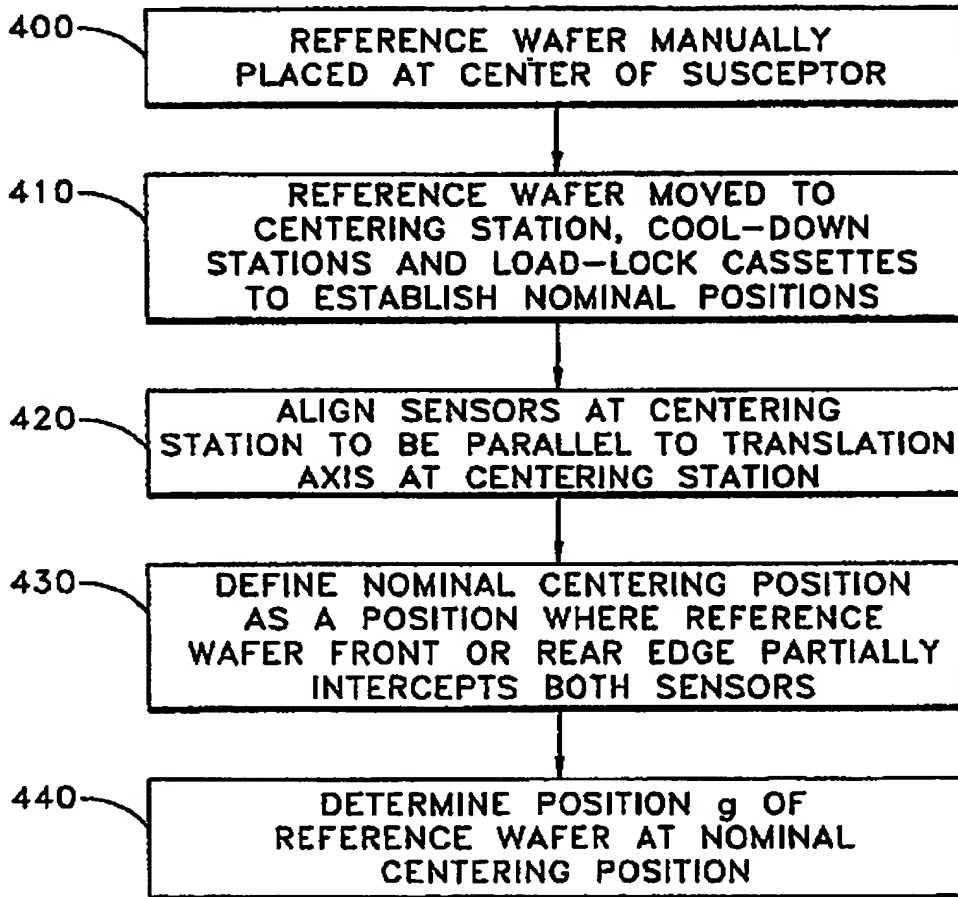


FIG. 6

*FIG. 7*

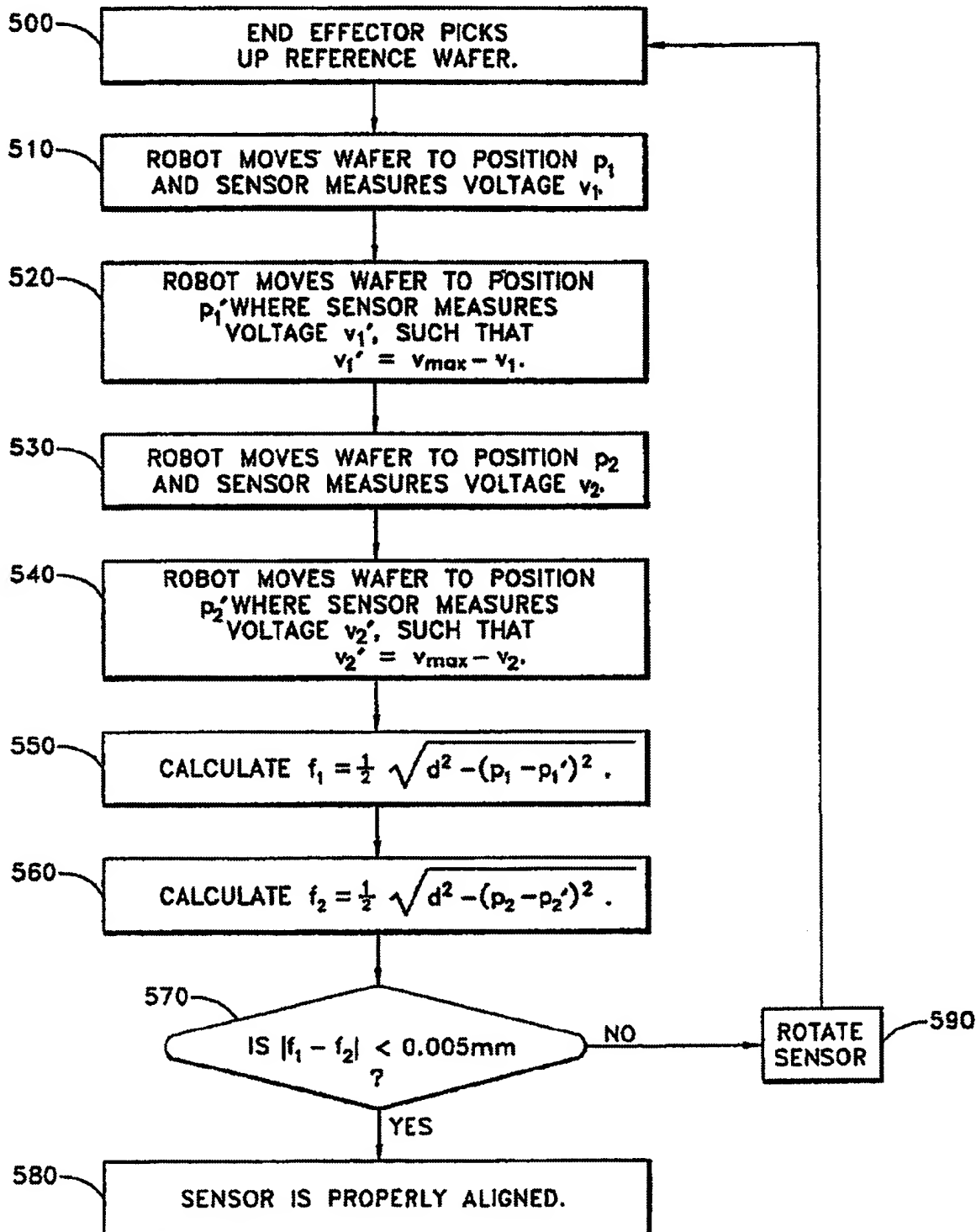


FIG. 8

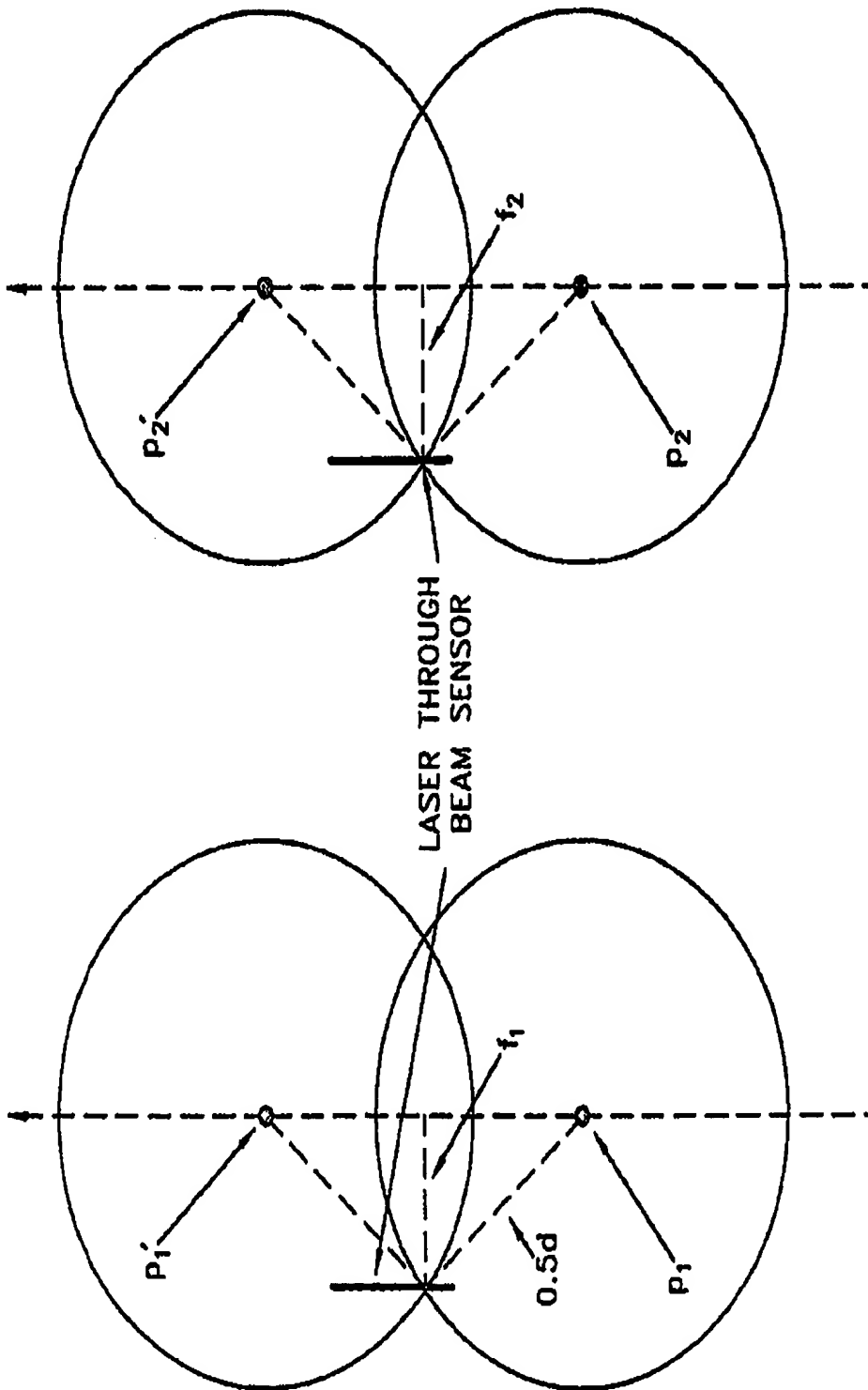
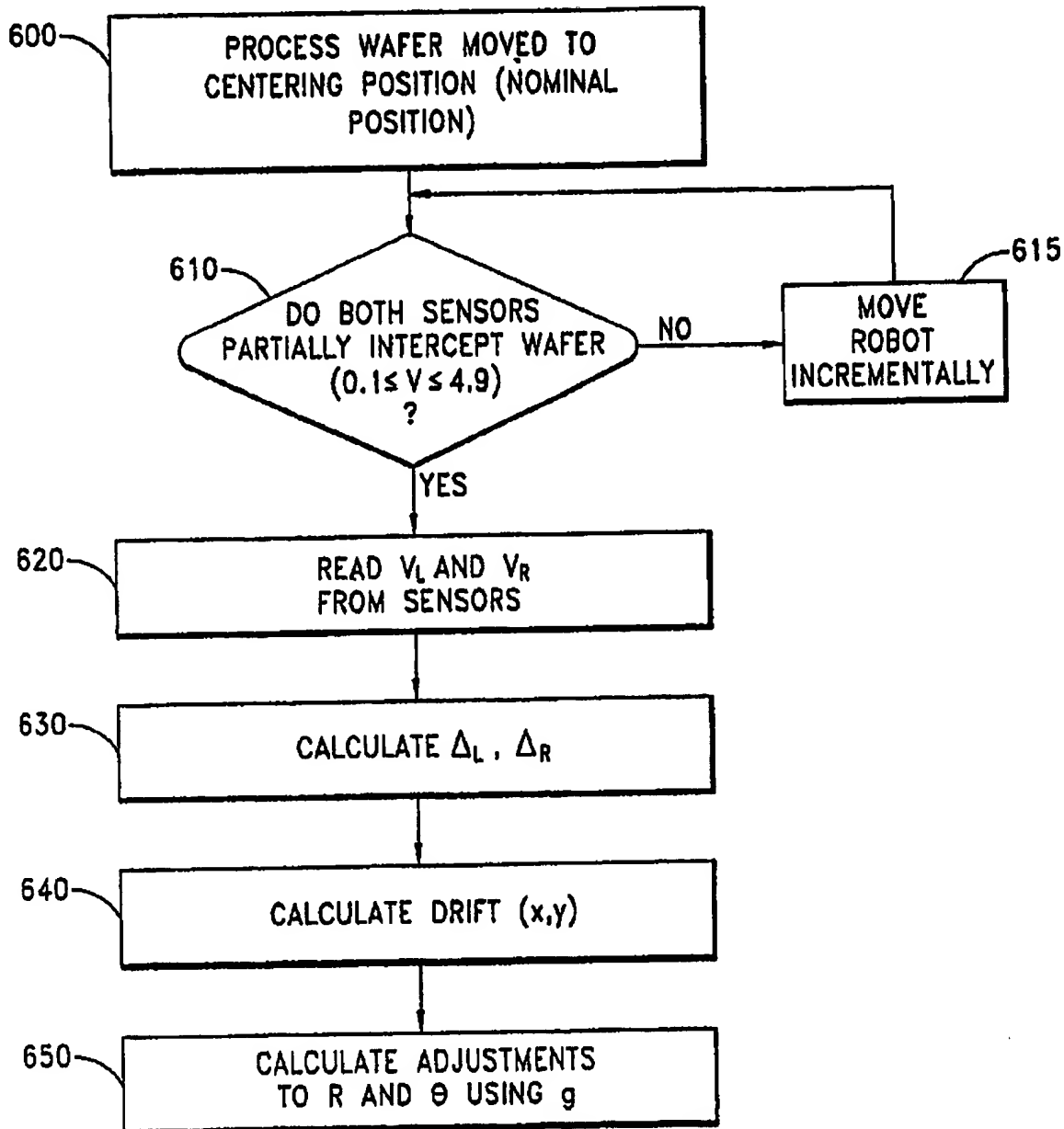


FIG. 10

FIG. 9

*FIG. 11*

U.S. Patent

Mar. 7, 2006

Sheet 12 of 12

7,008,802 B2

WAFER POSITION/ERROR CALCULATION

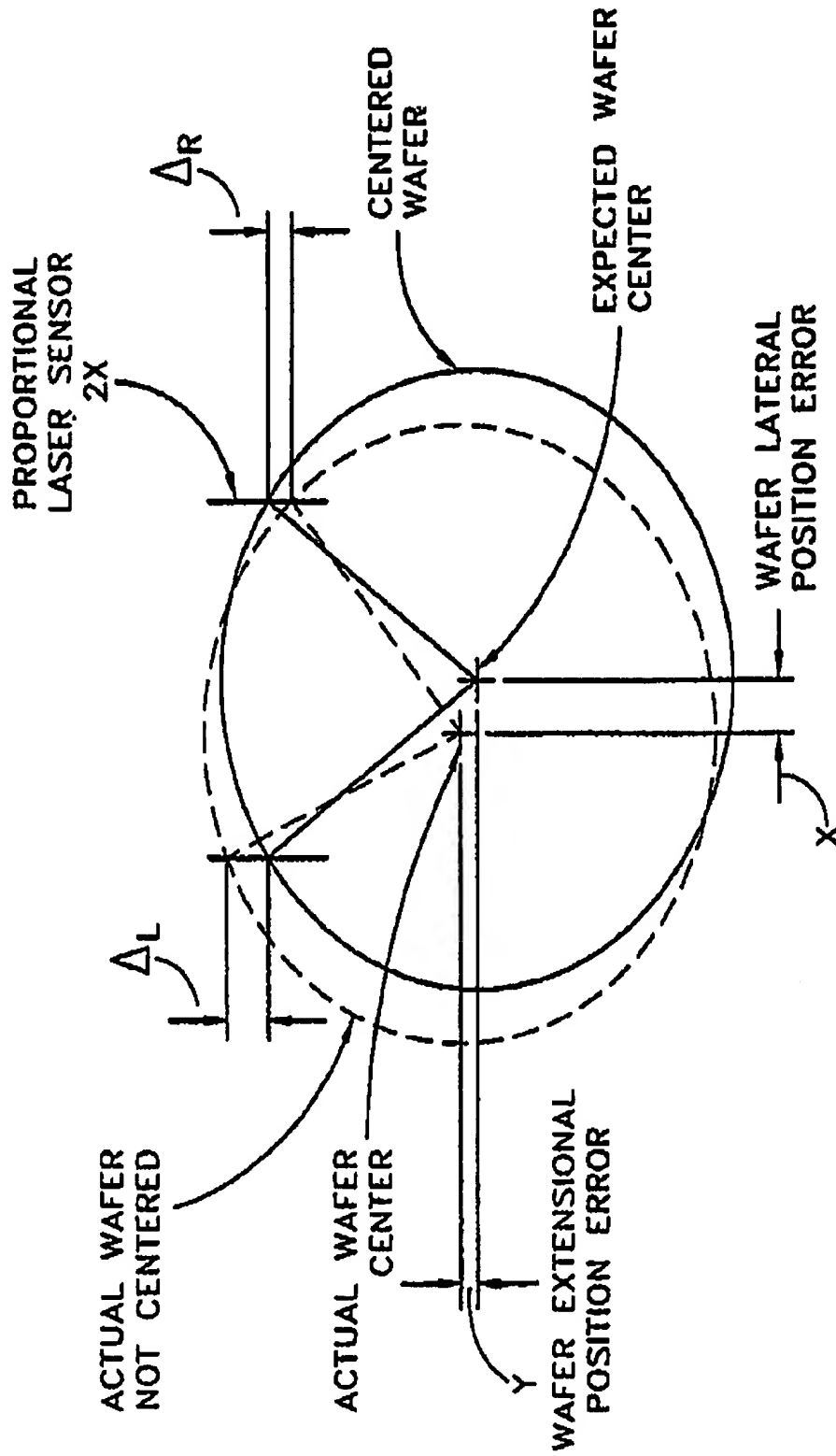


FIG. 12